

 Duquesne Light

439 East Avenue
Pittsburgh, PA
15219

TERA

TEA

412 422-0000

DUQUESNE LIGHT COMPANY
Beaver Valley Power Station
Post Office Box 4
Shippingport, PA 15077

June 19, 1979
BVPS:JAW:678

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. BFR-66
LER 79-14/01P

Mr. B. H. Grier, Director of Regulation
United States Nuclear Regulatory Commission
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Grier:

In accordance with Technical Specification 6.9.1.8.1, the following occurrence is reported. The report was discussed with Mr. D. A. Beckman at 1400 hours on June 18, 1979.

On May 31, 1979 during a telephone conversation with Messrs. J. A. Warling, BVPS Unit 1 Superintendent, and A. C. Mazukna, Duquesne Light Company Quality Control Supervisor, Mr. D. Beckman, NRC Inspector, discussed the finding of cracks in feedwater piping adjacent to the steam generator nozzle to feedwater piping weld at another power plant. Mr. Beckman asked if Beaver Valley Power Station would voluntarily radiograph these welds during the station's current shutdown. The BVPS Superintendent agreed to do so and the work was scheduled.

The radiographs were taken on June 15, 16, and 18, 1979, of the three steam generator nozzle-to-feedwater inlet piping welds.

The radiographs showed cracking to be present in all three inlet pipes. Actually, the inlet piping at these locations are 90° elbows. The lines are 16 inches in diameter with an 0.843 inch wall thickness. In each instance, the cracks originated at the shoulder of the counterbore in the piping, or approximately 9/16 inch from the root of the weld.

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Measuring in a circumferential and clockwise direction and facing with the flow, the specific locations and size of the cracks are as follows. The measurements of 0 and 51 inches are at the top of the pipe; 13 at 90°; 25-26 at the bottom; and 38 at 270°.

<u>Steam Generator No. 1A</u>	<u>Steam Generator No. 1B</u>	<u>Steam Generator No. 1C</u>
Cracks were present at:	Cracks were present at:	Cracks were present at:
49 1/2" through 0 to 1	48" through 0 to 2"	48" through 0 to 5"
10 1/2" to 15"	9" to 13"	26" to 30" in a suck-up
39" to 41"	33" to 43"	area of the root pass
		35" to 43"

A magnetic particle examination of the affected areas did not show any cracking to be present on the outside surface of the piping.

Any additional information and corrective action will be provided in the followup report.

Very truly yours,

J. A. Werling

for J. A. Werling
Superintendent

cc: Director Of Management & Program Analysis
United States Nuclear Regulatory Commission
Washington, D. C. 20555

D. L. Wigginton, BVPS Licensing Project Manager
United States Nuclear Regulatory Commission
Washington, D. C. 20555

D. A. Beckman, Nuclear Regulatory Commission, King of Prussia, PA

G. A. Olson, Secretary, Prime Movers Committee - EEI

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